

ABSTRACT

Orthopedic compositions are provided that include a homogeneous mixture of a biocompatible polymer and a bioactive particulate ceramic wherein the ceramic has an average particle size of not more than 500 nm
5 are provided. The compositions may be used to form bone cement or various spinal implants, including spinal spacers, interbody fusion cages, bone plates and bone screws. Methods for stabilizing a spine, for correcting a bone defect, and for promoting fusion of adjacent vertebrae are also provided.